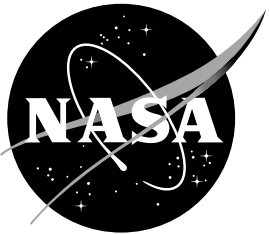


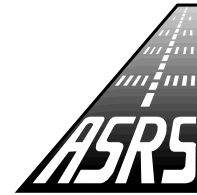
# ***AVIATION SAFETY REPORTING SYSTEM PROGRAM OVERVIEW***

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## ***ASRS: CONCEPT AND MISSION***

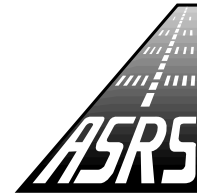
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The Aviation Safety Reporting System (ASRS) receives, processes and analyzes voluntarily submitted incident reports from pilots, air traffic controllers, and others. Reports submitted to ASRS describe both unsafe occurrences and hazardous situations. ASRS's particular concern is the quality of human performance in the aviation system. ASRS uses the information it receives to 1) remedy reported hazards, 2) conduct research on operational safety problems, and 3) facilitate a better understanding of aviation safety issues. ASRS reporters are assured confidentiality, and to encourage reporting, the FAA extends limited immunity to individuals who report unintentional rule violations.

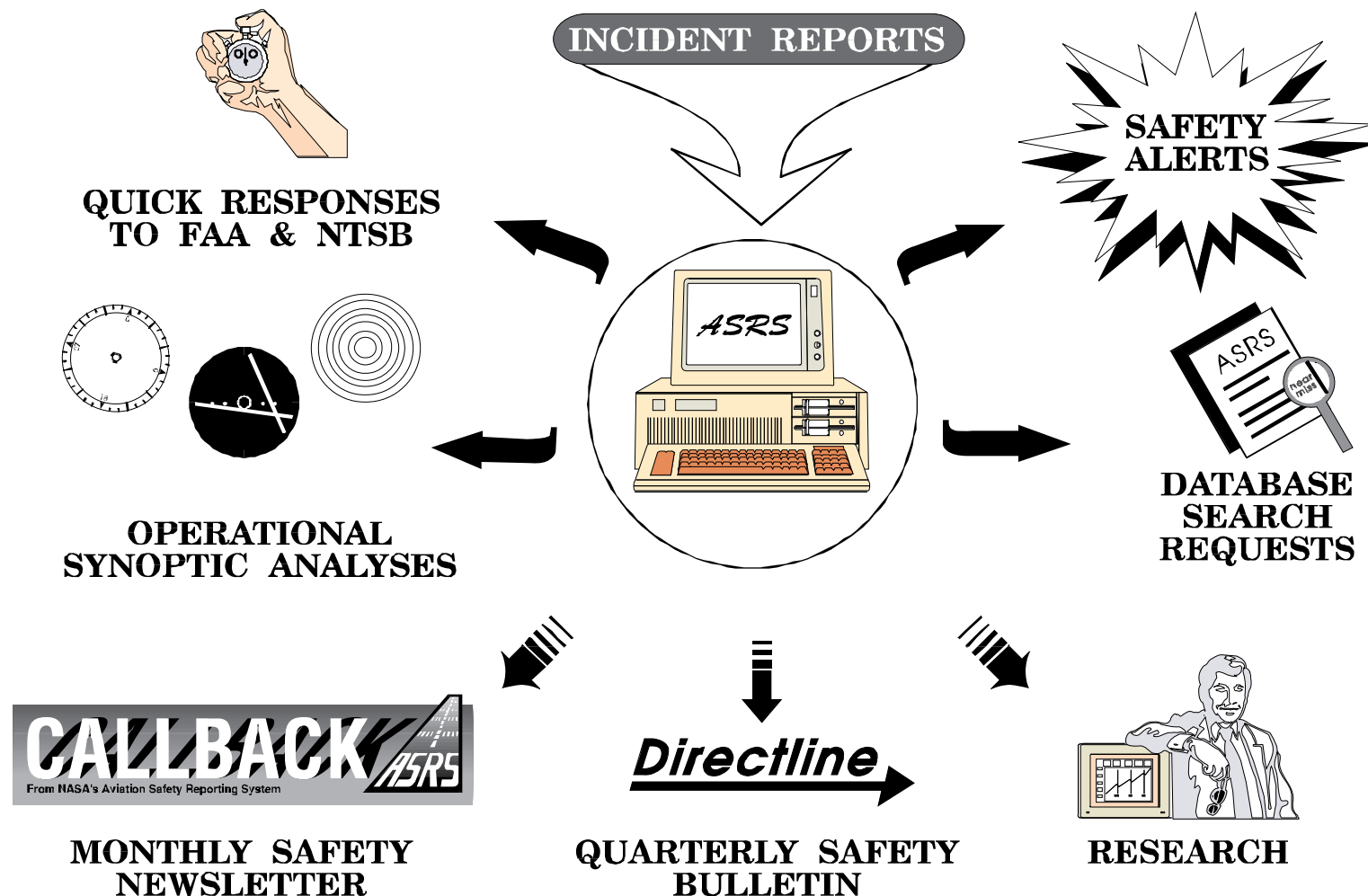
## ***ASRS BACKGROUND***

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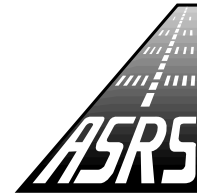
- Ongoing History Of Industry & Military Recognition Of Value Of Incident Data
- U.S. Senate Re: FAA Act Raised The Need For U.S. Incident Data System - 1958
- TWA 514 Accident - December 1974
- United Airlines Incident - Six Weeks Earlier
- Study Of The National Air Transportation System As A Result Of The Secretary's Task Force On The FAA Safety Mission Dated April 1975
- Aviation Safety Reporting Program (ASRP) Implemented May 1975
- Advisory Circular 00-46 Dated May 9, 1975
- Aviation Safety Reporting System (ASRS) - Implemented April 1976
- ASRS Program & Waiver Of Disciplinary Action Modified March 1979

# ASRS PRODUCES A WIDE VARIETY OF SERVICES & PRODUCTS FOR THE AVIATION COMMUNITY



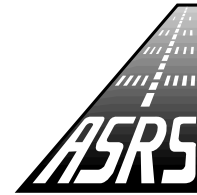
## ***REPORTING***

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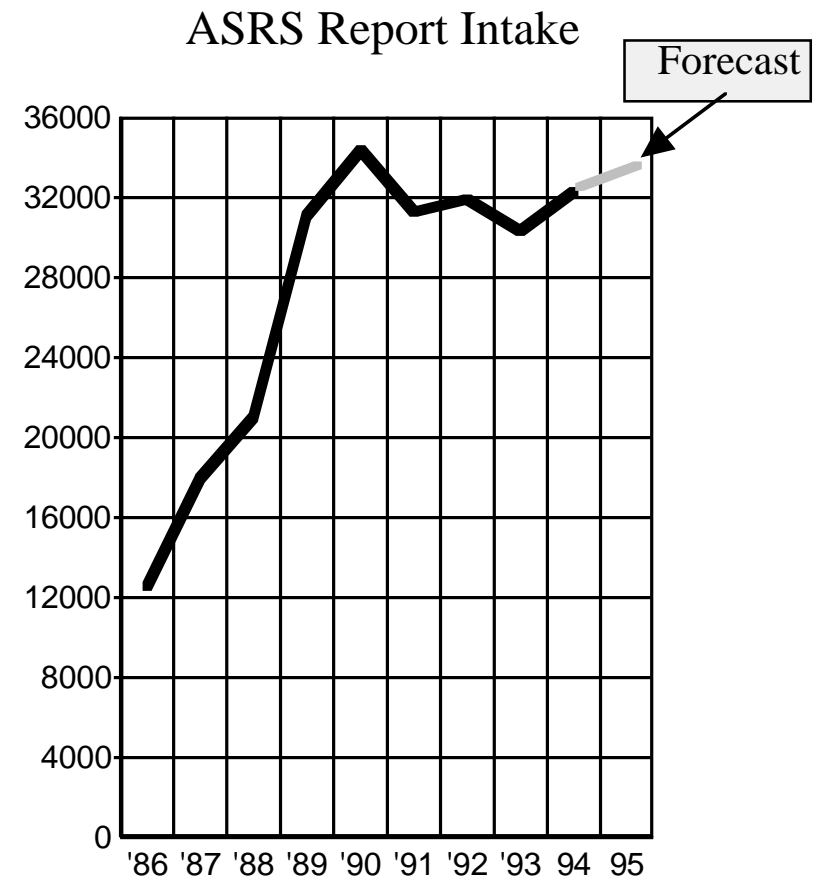


ASRS receives reports from pilots, air traffic controllers, air carrier inspectors, cabin attendants, mechanics, and a variety of other individuals. ASRS's report intake was robust from the first days of the program, averaging approximately 400 reports per month. In recent years, report intake has grown at an enormous rate. It now averages 650 reports per week and more than 2,600 reports per month, and ASRS expects to receive over 30,000 reports next year.

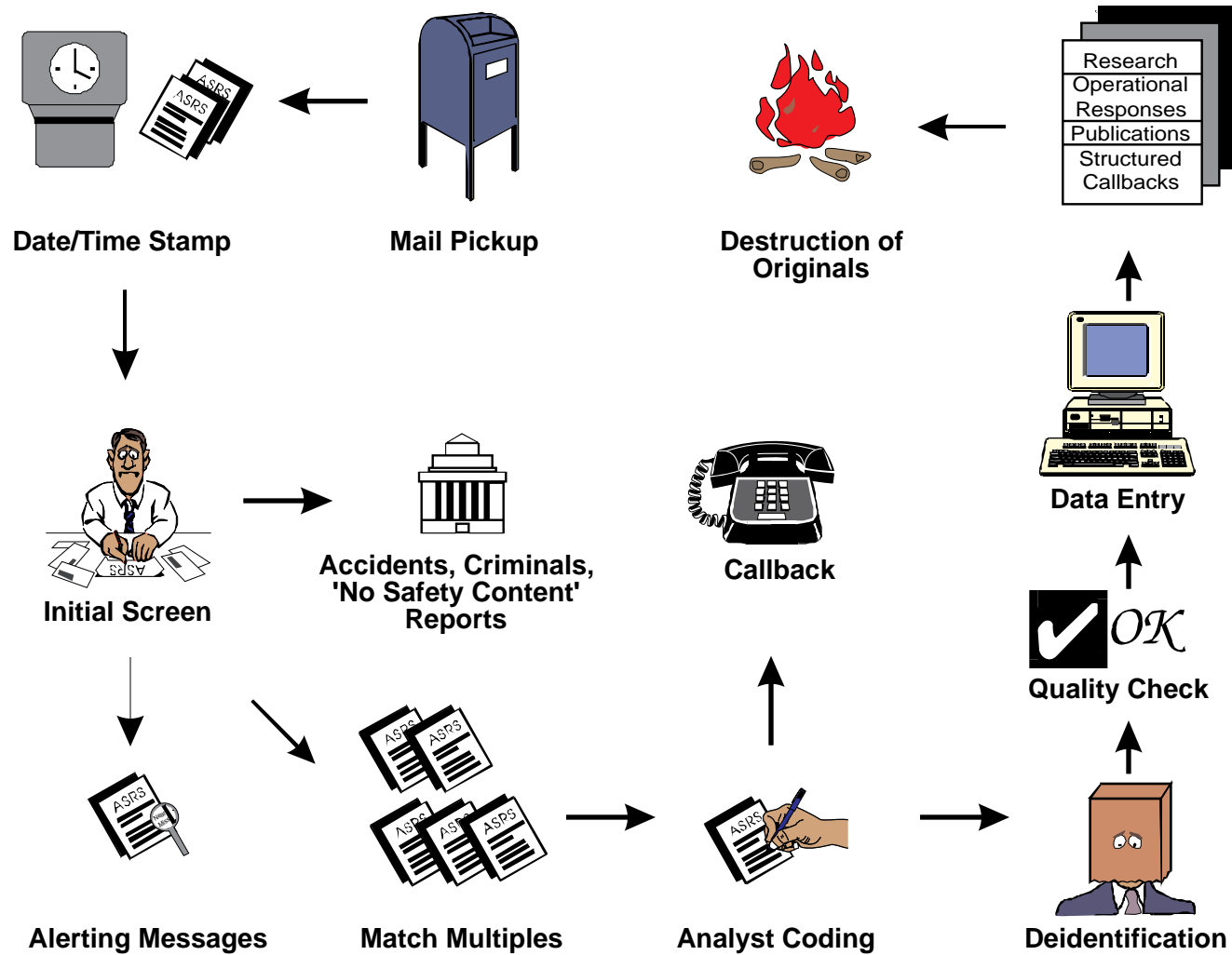
# ASRS REPORT INTAKE



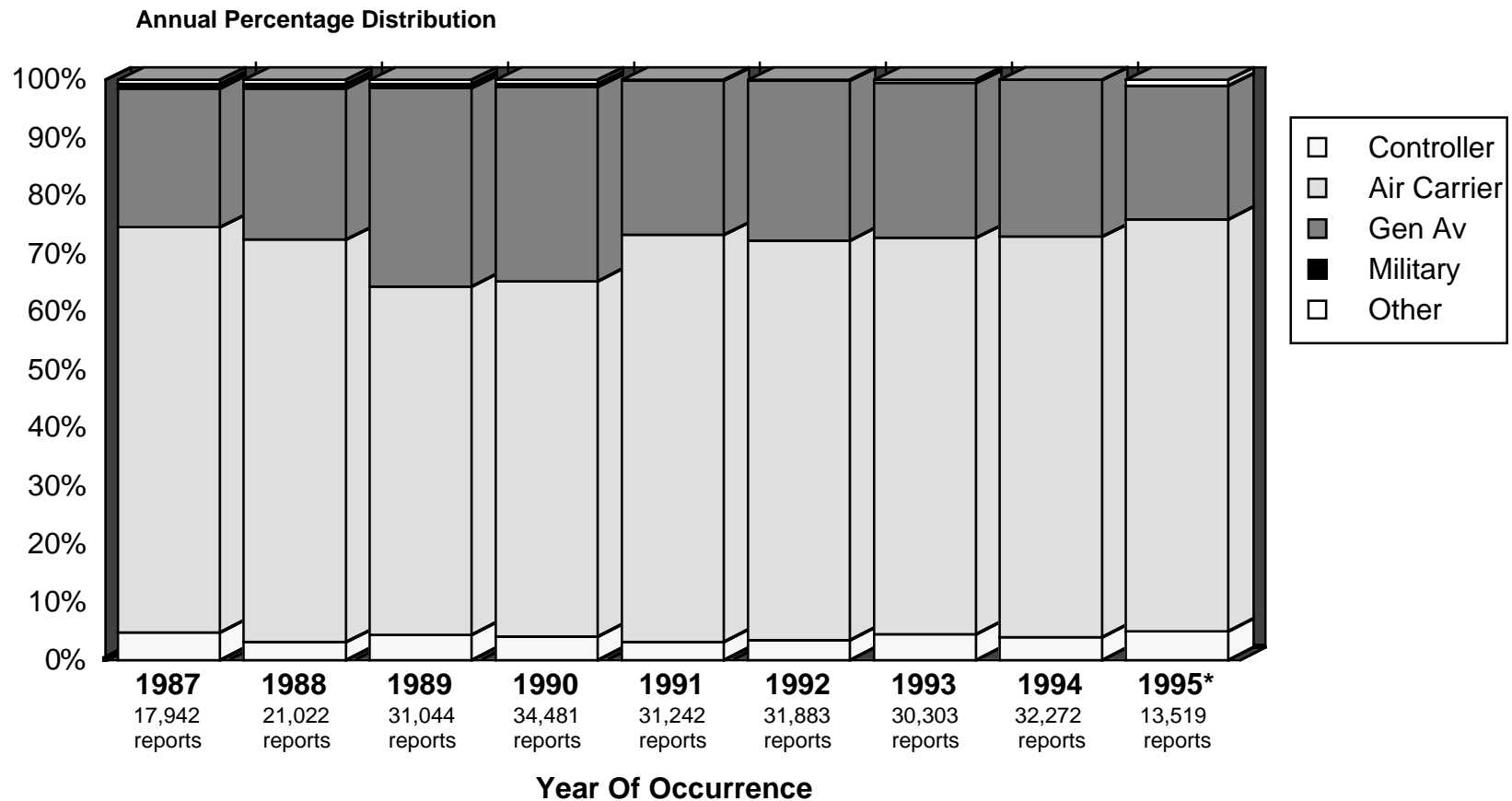
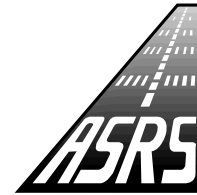
- An Increase Of 141% Since 1986
- Averaging 2,600 Reports Per Month
- Record Single Day Intake - 355 Reports On July 11, 1994
- Record Month's Intake - 3,158 Reports In Aug 1994
- Total Report Intake = 307,278+ Reports



# REPORT PROCESSING



# ANNUAL INCIDENT REPORTER DISTRIBUTION

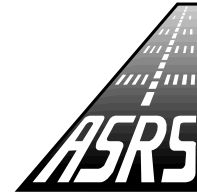


\* Data for 1995 are complete through May.



## *ASRS ANALYST STAFF*

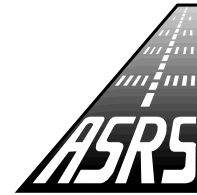
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- Fifteen Full And Part-Time Analysts
- ATC Experience In All Types Of Control Facilities:
  - Control Tower, Terminal Radar (TRACON), Enroute Control (ARTCC), Flight Service (FSS)
- Pilot Certifications And Ratings From Single Engine Land To Advanced "Glass Cockpit" Aircraft
- Over 400 Years Of Pilot And Controller Experience

## ***ALERTING MESSAGES***

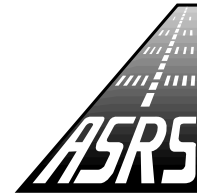
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When ASRS receives a report describing a hazardous situation - for example, a defective navigation aid, mischarting, a confusing procedure, or any other circumstance which might compromise safe flight - an alerting message is issued. Alerting messages take a variety of forms but they have a single purpose; to relay safety information to individuals in a position of authority so that they can investigate the allegation and take needed corrective actions. ASRS has no direct operational authority of its own. It acts through, and with the cooperation, of others.

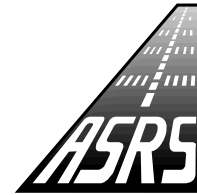
# *ASRS ALERTING PYRAMID*

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## ***ALERTING MESSAGES OUTPUT***

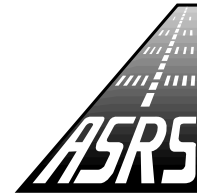
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- 2,189 Alert Bulletins and FYI Notices Issued from 1976 - May 1995
  - 40 ABs from Jan 1994 - May 1995
  - 183 FYIs from Jan 1994 - May 1995
  - 49% Response Rate to ABs/FYIs from Jan 1994 - May 1995
- 726 Telecon Items Reviewed from Jan 1988 - May 1995

## ***DATABASE SEARCH REQUESTS***

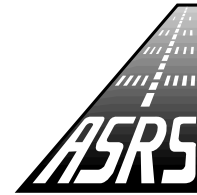
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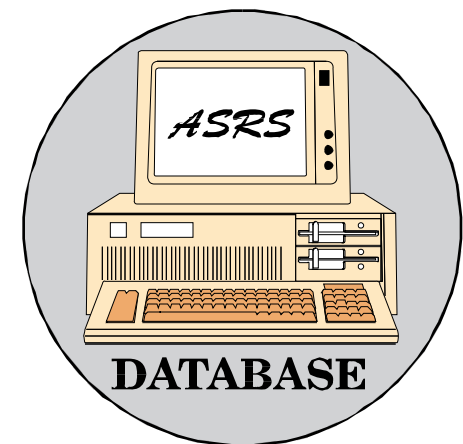
Information in the ASRS database is available to all interested parties. Individuals and organizations having need for specific ASRS data have only to state the subject in which they are interested. ASRS will then search its database and download relevant reports. The reports can be requested in either a printed hard copy or floppy diskette format.

# *SEARCH REQUESTS*

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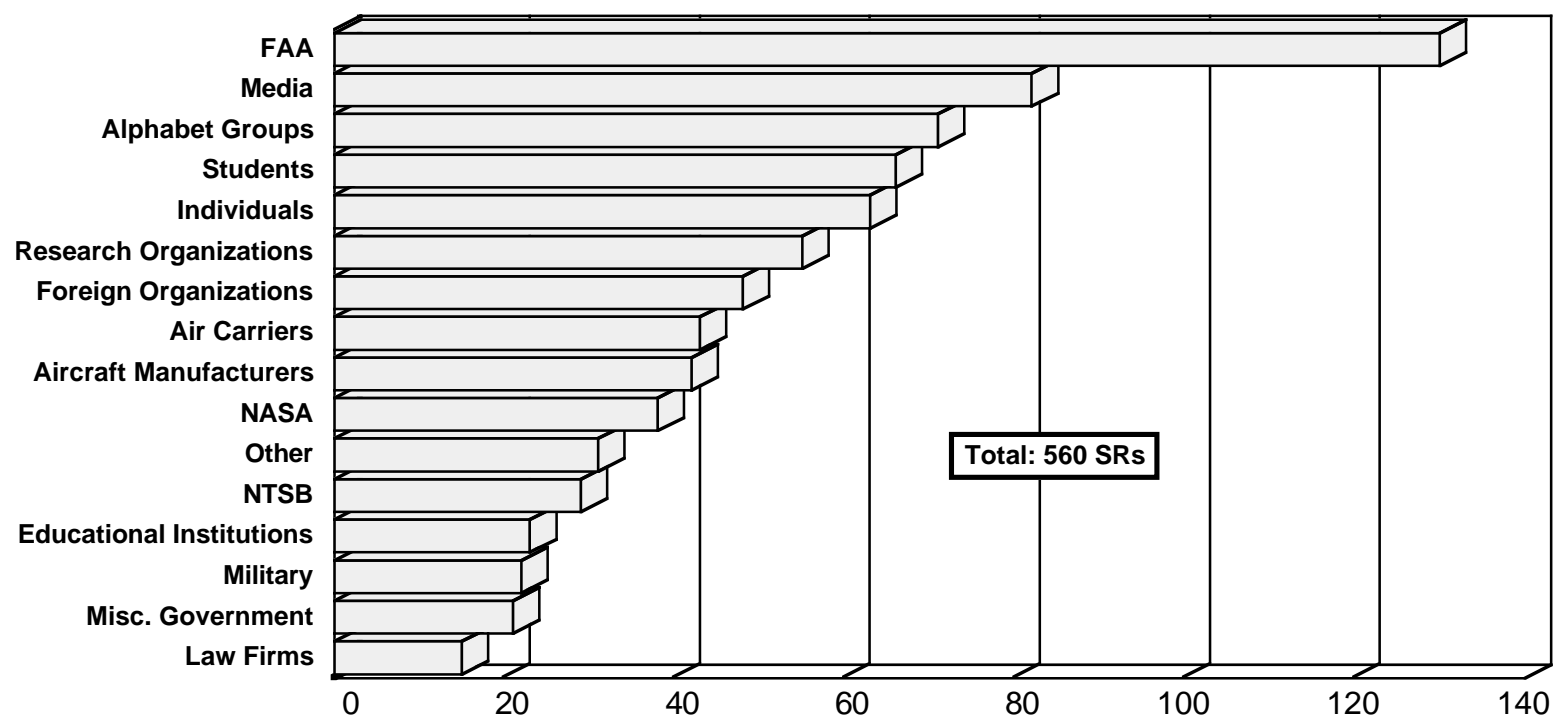
- Over 4,345 Search Requests (SRs) To Date (May 1995)
- Primary Requestors:
  - Federal Aviation Administration
  - General Public (Individuals)
  - Aviation Community
  - Research Organizations
  - National Aeronautics And Space Administration



# ***SEARCH REQUESTORS***

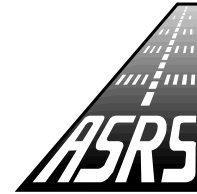
## ***JAN 1994 - MAY 1995***

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# ***ASRS RESEARCH FOCUSED ON OPERATIONS AND HUMAN FACTORS***

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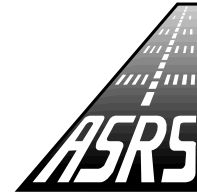


- More Than 51 Research Studies And Special Papers Published To Date
  - NASA Contractor Reports (CRs) And Technical Memorandums (TMs)
  - Ohio State University Aviation Psychology Symposium
  - Industry Liaison
- Research Agenda Developed From ASRS Research Conference Attendees, FAA, NASA, And ASRS Staff



## *RECENT RESEARCH PRODUCTS*

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- Impact Of TCAS II On The National ATC System
- Flight Deck Confusion
- GA Landing Incidents And Accidents
- Time Pressure In Aviation Incidents
- Air Carrier Ground Icing/Deicing Incidents